FIBER-REINFORCED COMPOSITE ENCASED IN A THERMOPLASTIC AND METHOD OF MAKING SAME

Patent Number:	WO0102470
Publication date:	2001-01-11
Inventor(s):	D HOOGHE EDWARD LOUIS; EDWARDS CHRISTOPHER MICHAEL
Applicant(s)::	DOW CHEMICAL CO (US)
Requested Patent:	WO0102470
Application Number:	WO2000US18288 20000630
Priority Number(s):	US19990142164P 19990701
IPC Classification:	C08J5/04 ; B29C45/14 ; C08L75/04
EC Classification:	C08J5/04, B29B15/12B, B29C47/02, B29C70/08D, B29C70/52, C08G18/82, E04C5/07
Equivalents:	

Abstract

A fiber-reinforced depolymerizable and repolymerizable thermoplastic composite that is encased in a depolymerizable and repolymerizable thermoplastic resin exhibits the strength and stiffness that make the encased composite particularly suitable for a wide array of applications that require very high strength, stiffness, and exceptional impact, together with complex shape. Examples of such applications include bumper beams, pedals, car door structures, instrument panels, and seating structures for automotive use. Other applications include window profiles, skis, ski poles, mast stays, tent poles, concrete reinforcement, crash barriers, window or door lineals, cable trays, cable for optical fibers, bicycle wheels and frames, and pipe.

Data supplied from the **esp@cenet** database - I2